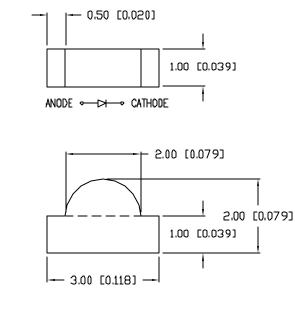
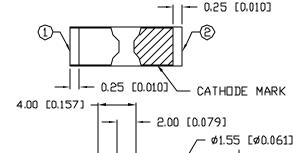
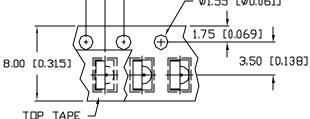
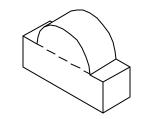
UNCONTROLLED DOCUMENT

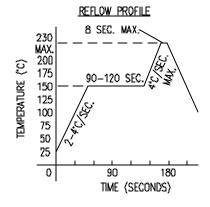




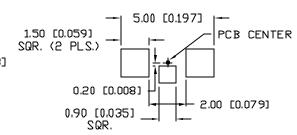
TAPE DIRECTION -







RECOMMENDED	PAD	LAYOUT
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PART NUMBER OED-ELR851C100-TR

electro-optical Ch	l _f =20mA				
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		940		nm	
FORWARD VOLTAGE		1.2	1.5	Vf	
REVERSE VOLTAGE	5.0			Vr	I _r =1DuA
AXIAL INTENSITY	.5	1.2		m₩/sr	lf=20mA
VIEWING ANGLE		120		2x theta	
EPOXY LENS FINISH:	WATER	CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

MAX	UNITS
1 <i>.</i> 2	А
50	mA
100	тW
- 1.2	m₩/°C
- 45 TO + 85	ťC
- 45 TO + 85	' C
	1.2 50 100 - 1.2 - 45 TO + 85

*1/10 DUTY CYCLE, t<10µS PULSE WIDTH

NOTES:

1, 2,000 PER REEL.

2. THE CATHODE IS ORIENTED TOWARDS THE TAPE

SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE Shelf life in sealed bag; 12 Months at <40°C and <90% relative humidity (rh). 2. AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE NOUNTED WITHIN 48 HOURS OR STORED AT <30% RH.

ロハビロハトドロトト *UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXX=±0.127 (±0.035). LEAD SZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MN= +DECIMAL PRECISION WAX.= +0.00 -0.00

REV.	part number OED-ELR851C100-TR	<u>Confidential information</u> The Information Contained in this document is the property of LUMEX NG. Except as specifically authorized in Writing by LUMEX Inc., the Holder of this document shall keep all information Contained Herein Confidential and Shall protect same in Whole Or In Part From Discussing and Dissemination to all throe Parties.	Me Tonic Photons To Mar	PAL PHC US	DE. HELEN ROAD ATINE, IL 60067- ONE: +1.847.359.2 WEB: www.lumex.c	2790 com
1.0	mm x 3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 940nm IR, WATER CLEAR LENS, TAPE AND REEL.	IN PART FROM DECLOSURE AND DESCENDATION TO ALL THREE PARTIES. RELIABILITY NOTE DUR NAMY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE. PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.	DRAWN BY:			

REV.

Mouser Electronics

Authorized Distributor

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